## **EXHIBIT A**

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
[Claims 1 and 34]  1. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:  a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols, for transmission to said external devices wherein each communication protocol includes a command code set that defines the	[AGREED]	[AGREED]	Preambles of independent claims 1 and 34 are substantive limitations and the clause "communications, command, control and sensing system" in each such preamble does not need to be further construed.
signals that are employed to communicate with each one of said external devices;  a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate a desired command code set, such that the memory space required to store said parameters is smaller than the memory space required to store said command code sets;			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
34. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:			
a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication			

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protocols for transmission to said external devices wherein each			
communication protocol includes a			
command code set that defines the			
signals that are employed to			
communicate with each one of said			
external devices;			
a memory device coupled to said			
microprocessor configured to store a			
plurality of parameter sets retrieved by			
said microprocessor so as to recreate			
based on said parameter sets a desired set of pulse signals corresponding to			
logical "1's" and "0's" as specified by a			
command code set;			
a user interface coupled to said			
microprocessor for sending a plurality			
of signals corresponding to user			
selections to said microprocessor and displaying a plurality of menu selections			
available for the user's choice, said			
microprocessor generating a			
communication protocol in response to			
said user selections; and			
an infra-red frequency transceiver			
coupled to said microprocessor for			
transmitting to said external devices and			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
[Claims 1, 2, 28, and 34]  1. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:  a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols, for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;  a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate a desired command code set, such that the	[AGREED]	[AGREED]	A device separate from the handset and the base station.

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
memory space required to store said parameters is smaller than the memory space required to store said command code sets;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said <b>external devices</b> and receiving from said <b>external devices</b> , infra-red frequency signals in accordance with said communications protocols.			
2. The communication, command, control and sensing system of claim 1 further comprising:  a radio frequency transceiver coupled to said microprocessor for transmitting to			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
said <b>external devices</b> and receiving from said devices, radio frequency signals at variable frequencies within a predetermined frequency range and in accordance with said communication protocols; and			
a selector controlled by said microprocessor for enabling said radio frequency transceiver and said infra-red frequency transceiver to transmit a desired command code set generated by said microprocessor via either radio frequency signals and infra-red signals as desired, and to receive a signal from any one of said <b>external devices</b> via either radio frequency signals and infra-red signals.			
28. The communications, command, control and sensing system of claim 27, wherein said microprocessor is configured to concurrently generate more than one command code sets so as to allow said user interface to control more than one corresponding <b>external devices</b> among said plurality of <b>external devices</b> .			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
34. A communications, command, control and sensing system for communicating with a plurality of <b>external devices</b> comprising:			
a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;			
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate based on said parameter sets a desired set of pulse signals corresponding to logical "1's" and "0's" as specified by a command code set;			
microprocessor for sending a plurality			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said <b>external devices</b> and receiving from said <b>external devices</b> , infra-red frequency signals in accordance with said communications protocols.			
[Claim 1]  1. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:  a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols, for transmission to said external devices wherein each	[AGREED]	[AGREED]	"a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate, by the microprocessor, a desired command code set, such that the memory space required to store said parameters is smaller than the memory space required

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;			to store said command code sets"
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate a desired command code set, such that the memory space required to store said parameters is smaller than the memory space required to store said command code sets;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices,			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
infra-red frequency signals in accordance with said communications protocols.			
[Claim 34]  34. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:  a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;	[AGREED]	[AGREED]	"a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate, by the microprocessor, based on said parameter sets a desired set of pulse signals corresponding to logical '1's' and '0's' as specified by a command code set"
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate based on said parameter sets a desired set of pulse signals			

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corresponding to logical "1's" and "0's" as specified by a command code set;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
[Claims 1 and 34]  1. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:  a microprocessor for generating a plurality of control signals used to	[AGREED]	[AGREED]	Plain and ordinary meaning

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
operate said system, said microprocessor creating a plurality of			
reprogrammable communication			
protocols, for transmission to said			
external devices wherein each communication protocol includes <b>a</b>			
command code set that defines the			
signals that are employed to			
communicate with each one of said			
external devices;			
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate a desired command code set, such that the memory space required to store said parameters is smaller than the memory space required to store said command code sets;			
a user interface coupled to said microprocessor for sending a plurality			
of signals corresponding to user			
selections to said microprocessor and			
displaying a plurality of menu selections			
available for the user's choice, said			
microprocessor generating a			
communication protocol in response to said user selections; and			
said user selections, and			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
34. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:			
a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;			
a memory device coupled to said microprocessor configured to store a			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
plurality of parameter sets retrieved by said microprocessor so as to recreate based on said parameter sets a desired set of pulse signals corresponding to logical "1's" and "0's" as specified by a command code set;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
[Claims 1, 27, and 34]  1. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:	[AGREED]	[AGREED]	Plain and ordinary meaning

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols, for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;			
a memory device coupled to said microprocessor configured to store a plurality of <b>parameter sets</b> retrieved by said microprocessor so as to recreate a desired command code set, such that the memory space required to store said parameters is smaller than the memory space required to store said command code sets;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
microprocessor generating a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
27. The communications, command, control and sensing system of claim 1 wherein one of said <b>parameter sets</b> stored corresponding to one of said command code sets is accessible for use so as to create other command code sets.			
34. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:			
a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
reprogrammable communication protocols for transmission to said			
external devices wherein each			
communication protocol includes a			
command code set that defines the			
signals that are employed to			
communicate with each one of said external devices;			
external devices,			
a memory device coupled to said			
microprocessor configured to store a			
plurality of <b>parameter sets</b> retrieved by said microprocessor so as to recreate			
based on said <b>parameter sets</b> a desired			
set of pulse signals corresponding to			
logical "1's" and "0's" as specified by a			
command code set;			
a user interface coupled to said			
microprocessor for sending a plurality			
of signals corresponding to user			
selections to said microprocessor and displaying a plurality of menu selections			
available for the user's choice, said			
microprocessor generating a			
communication protocol in response to			
said user selections; and			
an infra-red frequency transceiver			
coupled to said microprocessor for			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
transmitting to said external devices and receiving from said external devices,			
infra-red frequency signals in			
accordance with said communications			
protocols.			
[Claims 1 and 34]	"a microprocessor for	"a microprocessor for	
	generating a plurality of	generating a plurality of	
1. A communications, command,	control signals used to	control signals used to	
control and sensing system for	operate said system, said	operate said system, said	
communicating with a plurality of	microprocessor creating a	microprocessor creating a	
external devices comprising:	plurality of reprogrammable communication protocols"	plurality of reprogrammable communication protocols"	
a microprocessor for generating a	_	_	
plurality of control signals used to			
operate said system, said	"a microprocessor	"a microprocessor	
microprocessor creating a plurality of	configured to generate a	configured to bring into	
reprogrammable communication	plurality of control signals	existence two or more	
<b>protocols</b> , for transmission to said	used to operate said system	control signals used to	
external devices wherein each	and configured to create a plurality of	operate said system and	
communication protocol includes a command code set that defines the	[reprogrammable]	configured to bring into existence two or more	
signals that are employed to	communication protocols"	[reprogrammable]	
communicate with each one of said	as construed by this Court	communication protocols"	
external devices;	in Salazar v. HTC Corp.,	Proceedings proceeding	
,	2:16-cv-01096-JRG (Dkt.		
a memory device coupled to said	#108 at 15-22; Dkt. # 155).		
microprocessor configured to store a	ĺ		
plurality of parameter sets retrieved by			
said microprocessor so as to recreate a			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
desired command code set, such that the memory space required to store said parameters is smaller than the memory space required to store said command code sets;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
34. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
a microprocessor for generating a			
plurality of control signals used to			
operate said system, said			
microprocessor creating a plurality of			
reprogrammable communication			
<b>protocols</b> for transmission to said			
external devices wherein each			
communication protocol includes a			
command code set that defines the			
signals that are employed to			
communicate with each one of said			
external devices;			
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate based on said parameter sets a desired set of pulse signals corresponding to logical "1's" and "0's" as specified by a command code set;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
[Claim 2]	"a selector controlled by said microprocessor for	"a selector controlled by said microprocessor for	
2. The communication, command,	enabling said radio	enabling said radio	
control and sensing system of claim 1	frequency transceiver and	frequency transceiver and	
further comprising:	said infra-red frequency transceiver to transmit a	said infra-red frequency transceiver to transmit a	
a radio frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said devices, radio frequency signals at	desired command code set generated by said microprocessor via either radio frequency signals and	desired command code set generated by said microprocessor via either radio frequency signals and	
variable frequencies within a	infra-red signals as desired,	infra-red signals as desired,	
predetermined frequency range and in	and to receive a signal from	and to receive a signal from	
accordance with said communication protocols; and	any one of said external devices via either radio	any one of said external devices via either radio	
protocols, and	frequency signals and infra-	frequency signals and infra-	
a selector controlled by said	red signals"	red signals"	
microprocessor for enabling said			
radio frequency transceiver and said			
infra-red frequency transceiver to			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
transmit a desired command code set	"a selector controlled by	"a	
generated by said microprocessor via	said microprocessor for	multiplexer/demultiplexer	
either radio frequency signals and	enabling said radio	controlled by said	
infra-red signals as desired, and to	frequency transceiver and	microprocessor for enabling	
receive a signal from any one of said	said infra-red frequency	said radio frequency	
external devices via either radio	transceiver to transmit a	transceiver and said infra-	
frequency signals and infra-red	desired command code set	red frequency transceiver to	
signals.	generated by said	transmit a desired command	
	microprocessor via either	code set generated by said	
	radio frequency signals and	microprocessor via either	
	infra-red signals as selected	radio frequency signals and	
	by a user, and to receive a	infra-red signals as desired,	
	signal from any one of said	and to receive a signal from	
	external devices via either	any one of said external	
	radio frequency signals and	devices via either radio	
	infra-red signals" as	frequency signals and infra-	
	construed by this Court in	red signals"	
	Salazar v. HTC Corp.,		
	2:16-cv-01096-JRG (Dkt.		
	#108 at 31-36; Dkt. # 155).		
	"100 at 51 50, BRt. " 155).		
[Claims 1 and 34]	"a communication	"a communication	
[	protocol"	protocol"	
1. A communications, command,	Protocol	Protocol	
control and sensing system for		"a defined set of rules and	
communicating with a plurality of	Plain and ordinary meaning,	formats that allows devices	
external devices comprising:	as set out by this Court in	to communicate with each	
enternal devices comprising.	Salazar v. HTC Corp.,	other"	
a microprocessor for generating a	2:16-cv-01096-JRG (Dkt. #		
plurality of control signals used to	108 at 42-45; Dkt. # 155).		
profession of control signals used to	100 at 72-73, DKt. 11 133).		

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operate said system, said			
microprocessor creating a plurality of			
reprogrammable communication			
protocols, for transmission to said			
external devices wherein each			
communication protocol includes a command code set that defines the			
signals that are employed to			
communicate with each one of said			
external devices;			
external devices,			
a memory device coupled to said			
microprocessor configured to store a			
plurality of parameter sets retrieved by			
said microprocessor so as to recreate a			
desired command code set, such that the			
memory space required to store said			
parameters is smaller than the memory			
space required to store said command			
code sets;			
a user interface coupled to said			
microprocessor for sending a plurality			
of signals corresponding to user			
selections to said microprocessor and			
displaying a plurality of menu selections			
available for the user's choice, said			
microprocessor generating a			
<b>communication protocol</b> in response to			
said user selections; and			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
34. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:			
a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;			
a memory device coupled to said microprocessor configured to store a			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
plurality of parameter sets retrieved by said microprocessor so as to recreate based on said parameter sets a desired set of pulse signals corresponding to logical "1's" and "0's" as specified by a command code set;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and  an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices,			
infra-red frequency signals in accordance with said communications protocols.			
[Claims 1 and 34]  1. A communications, command, control and sensing system for	"a plurality of control signals"	"a plurality of control signals"	

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
communicating with a plurality of	To the extent not covered	"two or more control	
external devices comprising:	by this Court's construction	signals"	
	in Salazar v. HTC Corp.,		
a microprocessor for generating <b>a</b>	2:16-cv-01096-JRG (Dkt.		
plurality of control signals used to	#108 at 15-22; Dkt. # 155),		
operate said system, said	plain and ordinary meaning.		
microprocessor creating a plurality of			
reprogrammable communication			
protocols, for transmission to said			
external devices wherein each			
communication protocol includes a			
command code set that defines the			
signals that are employed to communicate with each one of said			
external devices;			
external devices,			
a memory device coupled to said			
microprocessor configured to store a			
plurality of parameter sets retrieved by			
said microprocessor so as to recreate a			
desired command code set, such that the			
memory space required to store said			
parameters is smaller than the memory			
space required to store said command			
code sets;			
a user interface coupled to said			
microprocessor for sending a plurality			
of signals corresponding to user			
selections to said microprocessor and			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
34. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:			
a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
communicate with each one of said external devices;			
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate based on said parameter sets a desired set of pulse signals corresponding to logical "1's" and "0's" as specified by a command code set;  a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user			
selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
[Claims 1 and 34]	"a plurality of	"a plurality of	
[Claims I and 54]	reprogrammable	reprogrammable	
1. A communications, command,	communication protocols"	communication protocols"	
control and sensing system for	process	process	
communicating with a plurality of			
external devices comprising:	To the extent not covered	Indefinite. Protocols cannot	
	by this Court's construction	be reprogrammable.	
a microprocessor for generating a	in Salazar v. HTC Corp.,	Defendants and Intervenors	
plurality of control signals used to	2:16-cv-01096-JRG (Dkt.	provide an alternative	
operate said system, said	#108 at 15-22; Dkt. # 155),	construction for this term	
microprocessor creating a plurality of	plain and ordinary meaning.	based on what a	
reprogrammable communication		reprogrammable	
<b>protocols</b> , for transmission to said		communication protocol	
external devices wherein each		might be if such a protocol existed: "two or more	
communication protocol includes a command code set that defines the		communication protocols	
signals that are employed to		whose rules and formats	
communicate with each one of said		can be changed through	
external devices;		programming"	
Checiliai de vices,		Programming	
a memory device coupled to said			
microprocessor configured to store a			
plurality of parameter sets retrieved by			
said microprocessor so as to recreate a			
desired command code set, such that the			
memory space required to store said			
parameters is smaller than the memory			

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space required to store said command code sets;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
34. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:			
a microprocessor for generating a plurality of control signals used to operate said system, said			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
microprocessor creating a plurality of reprogrammable communication protocols for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;			
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate based on said parameter sets a desired set of pulse signals corresponding to logical "1's" and "0's" as specified by a command code set;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
[Claim 1]  1. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:	"such that the memory space required to store said parameters is smaller than the memory space required to store said command code sets"	"such that the memory space required to store said parameters is smaller than the memory space required to store said command code sets"	
a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols, for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;	To the extent not covered by this Court's construction in <i>Salazar v. HTC Corp.</i> , 2:16-cv-01096-JRG (Dkt. #108 at 22-30; Dkt. # 155), plain and ordinary meaning.	Indefinite.	
a memory device coupled to said microprocessor configured to store a			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
plurality of parameter sets retrieved by said microprocessor so as to recreate a			
desired command code set, <b>such that</b>			
the memory space required to store			
said parameters is smaller than the memory space required to store said			
command code sets;			
a user interface coupled to said			
microprocessor for sending a plurality of signals corresponding to user			
selections to said microprocessor and			
displaying a plurality of menu selections available for the user's choice, said			
microprocessor generating a			
communication protocol in response to			
said user selections; and			
an infra-red frequency transceiver			
coupled to said microprocessor for transmitting to said external devices and			
receiving from said external devices,			
infra-red frequency signals in			
accordance with said communications			
protocols. [Claims 1, 27, and 34]	"creating; create"	"creating; create"	
[Ciamis 1, 27, and 37]	creaming, create	creating, create	
1. A communications, command,			
control and sensing system for	To the extent not covered	"[bringing / bring] into	
	by this Court's construction	existence"	

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
communicating with a plurality of	in Salazar v. HTC Corp.,		
external devices comprising:	2:16-cv-01096-JRG (Dkt.		
	#108 at 15-22; Dkt. # 155;		
a microprocessor for generating a	Dkt.# 250 at 8-9), plain and		
plurality of control signals used to	ordinary meaning.		
operate said system, said			
microprocessor <b>creating</b> a plurality of			
reprogrammable communication			
protocols, for transmission to said external devices wherein each			
communication protocol includes a			
command code set that defines the			
signals that are employed to			
communicate with each one of said			
external devices;			
a memory device coupled to said			
microprocessor configured to store a			
plurality of parameter sets retrieved by said microprocessor so as to recreate a			
desired command code set, such that the			
memory space required to store said			
parameters is smaller than the memory			
space required to store said command			
code sets;			
a user interface coupled to said			
microprocessor for sending a plurality			
of signals corresponding to user			
selections to said microprocessor and			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
27. The communications, command, control and sensing system of claim 1 wherein one of said parameter sets stored corresponding to one of said command code sets is accessible for use so as to <b>create</b> other command code sets.			
34. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
a microprocessor for generating a			
plurality of control signals used to			
operate said system, said			
microprocessor <b>creating</b> a plurality of			
reprogrammable communication			
protocols for transmission to said			
external devices wherein each			
communication protocol includes a			
command code set that defines the			
signals that are employed to			
communicate with each one of said			
external devices;			
a memory device coupled to said			
microprocessor configured to store a			
plurality of parameter sets retrieved by			
said microprocessor so as to recreate			
based on said parameter sets a desired			
set of pulse signals corresponding to			
logical "1's" and "0's" as specified by a			
command code set;			
a user interface coupled to said			
microprocessor for sending a plurality			
of signals corresponding to user			
selections to said microprocessor and			
displaying a plurality of menu selections			
available for the user's choice, said			
microprocessor generating a			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
[Claims 1-4, 6, 28, and 34]  1. A communications, command, control and sensing system for	"generating; generated; generate"	"generating; generated; generate"	
communicating with a plurality of external devices comprising:	To the extent not covered by this Court's construction in <i>Salazar v. HTC Corp.</i> ,	"[bringing / brought / bring] into existence"	
a microprocessor for <b>generating</b> a plurality of control signals used to operate said system, said	2:16-cv-01096-JRG (Dkt. #108 at 15-22; Dkt. # 155; Dkt.# 250 at 8-9), plain and ordinary meaning.		
microprocessor creating a plurality of reprogrammable communication protocols, for transmission to said external devices wherein each	ordinary meaning.		
communication protocol includes a command code set that defines the signals that are employed to			
communicate with each one of said external devices;			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to <b>recreate</b> a desired command code set, such that the memory space required to store said parameters is smaller than the memory space required to store said command code sets;  a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor <b>generating</b> a communication protocol in response to said user selections; and  an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
2. The communication, command, control and sensing system of claim 1 further comprising:			
a radio frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said devices, radio frequency signals at variable frequencies within a predetermined frequency range and in accordance with said communication protocols; and			
a selector controlled by said microprocessor for enabling said radio frequency transceiver and said infra-red frequency transceiver to transmit a desired command code set <b>generated</b> by said microprocessor via either radio frequency signals and infra-red signals as desired, and to receive a signal from any one of said external devices via either radio frequency signals and infra-red signals.			
3. The communications command, control and sensing system of claim 2 wherein said user interface further comprises:			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
a touch sensitive device <b>generating</b> a plurality of signals in response to actuation and a display device for displaying messages <b>generated</b> by said microprocessor.			
4. The communications command, control and sensing system of claim 3, wherein said microprocessor generates user selectable graphical icons for display on said display device.			
6. The communications, command, control and sensing system of claim 1, further comprising a sound activated device coupled to said microprocessor, said sound activated device used to recognize sound signals including sound commands corresponding to executable logical commands, said sound activated device <b>generating</b> signals in response to recognized sound signals for further processing by said microprocessor.			
28. The communications, command, control and sensing system of claim 27,			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
wherein said microprocessor is configured to concurrently <b>generate</b> more than one command code sets so as to allow said user interface to control more than one corresponding external devices among said plurality of external devices.			
34. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:			
a microprocessor for <b>generating</b> a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;			
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
said microprocessor so as to <b>recreate</b> based on said parameter sets a desired set of pulse signals corresponding to logical "1's" and "0's" as specified by a command code set;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor <b>generating</b> a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
[Claims 1 and 34]	"recreate"	"recreate"	
1. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:	To the extent not covered by this Court's construction in <i>Salazar v. HTC Corp.</i> ,	"bring something back into existence"	

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols, for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;	2:16-cv-01096-JRG (Dkt. #108 at 22-30; Dkt. #155), plain and ordinary meaning.		
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to <b>recreate</b> a desired command code set, such that the memory space required to store said parameters is smaller than the memory space required to store said command code sets;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
microprocessor generating a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
34. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:			
a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to <b>recreate</b> based on said parameter sets a desired set of pulse signals corresponding to logical "1's" and "0's" as specified by a command code set;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
[Claims 1 and 2]	"a desired command code set"	"a desired command code set"	

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
1. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:  a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols, for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;	To the extent not covered by this Court's construction in <i>Salazar v. HTC Corp.</i> , 2:16-cv-01096-JRG (Dkt. #108 at 22-30; Dkt. #155), plain and ordinary meaning.	"a different command code set than the command code set that defines the signals that are employed to communicate with each one of said external devices" If this term is not given this meaning, it is indefinite for lacking antecedent basis.	
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate a desired command code set, such that the memory space required to store said parameters is smaller than the memory space required to store said command code sets;  a user interface coupled to said microprocessor for sending a plurality			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
2. The communication, command, control and sensing system of claim 1 further comprising:			
a radio frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said devices, radio frequency signals at variable frequencies within a predetermined frequency range and in accordance with said communication protocols; and			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
a selector controlled by said			
microprocessor for enabling said radio			
frequency transceiver and said infra-red			
frequency transceiver to transmit a			
desired command code set generated			
by said microprocessor via either radio			
frequency signals and infra-red signals			
as desired, and to receive a signal from any one of said external devices via			
either radio frequency signals and infra-			
red signals.			
red signais.			
[Claims 1 and 34]	"a microprocessor for	"a microprocessor for	
	generating, said	generating, said	
1. A communications, command,	microprocessor creating	microprocessor creating	
control and sensing system for	., a plurality of parameter	., a plurality of parameter	
communicating with a plurality of	sets retrieved by said	sets retrieved by said	
external devices comprising:	microprocessor, said	microprocessor, said	
	microprocessor generating.	microprocessor generating.	
a microprocessor for generating a	"	"	
plurality of control signals used to			
operate said system, said			
microprocessor creating a plurality of	To the extent not covered	"one or more	
reprogrammable communication	by this Court's construction	microprocessors, each of	
protocols, for transmission to said	in Salazar v. HTC Corp.,	which must perform the	
external devices wherein each	2:16-cv-01096-JRG (Dkt.	generating, creating,	
communication protocol includes a	#108 at 15-30; Dkt. # 155;	retrieving, and generating	
command code set that defines the	Dkt. # 250 at 8-9), plain and	functions"	
signals that are employed to	ordinary meaning.		

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
communicate with each one of said external devices;			
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate a desired command code set, such that the memory space required to store said parameters is smaller than the memory space required to store said command code sets;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, <b>said microprocessor generating</b> a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
34. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:  a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;			
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate based on said parameter sets a desired set of pulse signals corresponding to logical "1's" and "0's" as specified by a command code set;			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
a user interface coupled to said			
microprocessor for sending a plurality			
of signals corresponding to user selections to said microprocessor and			
displaying a plurality of menu selections			
available for the user's choice, <b>said</b>			
microprocessor generating a			
communication protocol in response to			
said user selections; and			
an infra-red frequency transceiver			
coupled to said microprocessor for			
transmitting to said external devices and			
receiving from said external devices,			
infra-red frequency signals in			
accordance with said communications protocols.			
protocols.			
[Claim 2]	"selector"	"selector"	
2. The communication, command,			
control and sensing system of claim 1	To the extent not covered	"a	
further comprising:	by this Court's construction in Salazar v. HTC Corp.,	multiplexer/demultiplexer"	
a radio frequency transceiver coupled to	2:16-cv-01096-JRG (Dkt.		
said microprocessor for transmitting to	#108 at 31-36; Dkt. # 155),		
said external devices and receiving from	plain and ordinary meaning.		
said devices, radio frequency signals at			
variable frequencies within a			
predetermined frequency range and in			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
accordance with said communication protocols; and			
a <b>selector</b> controlled by said microprocessor for enabling said radio frequency transceiver and said infra-red frequency transceiver to transmit a desired command code set generated by said microprocessor via either radio frequency signals and infra-red signals as desired, and to receive a signal from any one of said external devices via either radio frequency signals and infra-red signals.			
[Claims 1 and 34]  1. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:	"said microprocessor generating a communication protocol in response to said user selection"	"said microprocessor generating a communication protocol in response to said user selection"	
a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols, for transmission to said external devices wherein each communication protocol includes a	To the extent not covered by this Court's construction in <i>Salazar v. HTC Corp.</i> , 2:16-cv-01096-JRG (Dkt. #108 at 42-46; Dkt. # 155; Dkt. # 250 at 7-8), plain and ordinary meaning.	"said microprocessor generating a communication protocol different from the reprogrammable communication protocols" If this term is not given this meaning, it is indefinite.	

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
command code set that defines the signals that are employed to communicate with each one of said external devices;			
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate a desired command code set, such that the memory space required to store said parameters is smaller than the memory space required to store said command code sets;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
accordance with said communications protocols.			
34. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:			
a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;			
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate based on said parameter sets a desired set of pulse signals corresponding to logical "1's" and "0's" as specified by a command code set;			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and  an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
[Claims 1 and 34]  1. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:  a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of	"an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, in accordance with said communications protocols"	"an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, in accordance with said communications protocols"	

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
reprogrammable communication protocols, for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;  a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate a desired command code set, such that the memory space required to store said parameters is smaller than the memory space required to store said command code sets;  a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and	To the extent not covered by this Court's construction in <i>Salazar v. HTC Corp.</i> , 2:16-cv-01096-JRG (Dkt. #108 at 31-36, 42-46; Dkt. # 155; Dkt. # 250 at 6-7), plain and ordinary meaning.	"for each of the two or more external devices, the infra-red frequency transceiver must be capable of both transmitting to that device and receiving from that device, in accordance with said communications protocols"	

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
34. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:			
a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;			
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
said microprocessor so as to recreate based on said parameter sets a desired set of pulse signals corresponding to logical "1's" and "0's" as specified by a command code set;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
[Claim 2]	"a radio frequency transceiver coupled to said	"a radio frequency transceiver coupled to said	
2. The communication, command, control and sensing system of claim 1 further comprising:	microprocessor for transmitting to said external devices and receiving from said devices, radio	microprocessor for transmitting to said external devices and receiving from said devices, radio	

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
a radio frequency transceiver coupled	frequency signals at	frequency signals at	
to said microprocessor for	variable frequencies within	variable frequencies within	
transmitting to said external devices	a predetermined frequency	a predetermined frequency	
and receiving from said devices, radio	range and in accordance	range and in accordance	
frequency signals at variable	with said communication	with said communication	
frequencies within a predetermined	protocols"	protocols"	
frequency range and in accordance			
with said communication protocols;			
and  a selector controlled by said microprocessor for enabling said radio frequency transceiver and said infra-red frequency transceiver to transmit a desired command code set generated by said microprocessor via either radio frequency signals and infra-red signals as desired, and to receive a signal from any one of said external devices via either radio frequency signals and infra- red signals.	To the extent not covered by this Court's construction in <i>Salazar v. HTC Corp.</i> , 2:16-cv-01096-JRG (Dkt. #108 at 31-36, 42-46; Dkt. # 155; Dkt. # 250 at 6-7), plain and ordinary meaning.	"the radio frequency transceiver must transmit and receive signals in accordance with the same protocols as used by the infra-red frequency transceiver of claim 1"	
[Claim 7]	"a sound and data coupling device adapted to receive	"a sound and data coupling device adapted to receive	
7. The communications command,	sound as data signals"	sound as data signals"	
control and sensing system of claim 6,			
further comprising a sound and data	m .1		
coupling device adapted to receive	To the extent not covered	"a device adapted to receive	
sound as data signals.	by this Court's construction	sound as data signals,	
	in Salazar v. HTC Corp.,	excluding voice"	

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
	2:16-cv-01096-JRG (Dkt. #108 at 22-30; Dkt. #155; Dkt. #250 at 3-5), plain and ordinary meaning.		
[Claims 1 and 34]	"configured to"	"configured to"	
1. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:  a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols, for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;  a memory device coupled to said microprocessor <b>configured to</b> store a plurality of parameter sets retrieved by said microprocessor so as to recreate a desired command code set, such that the	To the extent not covered by this Court's construction in <i>Salazar v. HTC Corp.</i> , 2:16-cv-01096-JRG (Dkt. #108 at 22-30; Dkt. # 155; Dkt. # 250 at 3-5), plain and ordinary meaning.	"a particularized arrangement of the memory device for a specific purpose"	

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
memory space required to store said parameters is smaller than the memory space required to store said command code sets;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
34. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
a microprocessor for generating a			
plurality of control signals used to			
operate said system, said			
microprocessor creating a plurality of			
reprogrammable communication			
protocols for transmission to said			
external devices wherein each			
communication protocol includes a			
command code set that defines the			
signals that are employed to			
communicate with each one of said			
external devices;			
a memory device coupled to said			
microprocessor configured to store a			
plurality of parameter sets retrieved by			
said microprocessor so as to recreate			
based on said parameter sets a desired			
set of pulse signals corresponding to			
logical "1's" and "0's" as specified by a			
command code set;			
a user interface coupled to said			
microprocessor for sending a plurality			
of signals corresponding to user			
selections to said microprocessor and			
displaying a plurality of menu selections			
available for the user's choice, said			
microprocessor generating a			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			
[Claims 1, 2, and 34]  1. A communications, command, control and sensing system for	"said communications protocols"	"said communications protocols"	
communicating with a plurality of external devices comprising:  a microprocessor for generating a	Plain and ordinary meaning, as set out by this Court in <i>Salazar v. HTC Corp.</i> , 2:16-cv-01096-JRG (Dkt. #	Indefinite.	
plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication	2.10-cv-01090-3RG (DRt. # 108 at 42-45; Dkt. # 155; Dkt. # 250 at 7-8).		
protocols, for transmission to said external devices wherein each communication protocol includes a			
command code set that defines the signals that are employed to communicate with each one of said external devices;			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate a desired command code set, such that the memory space required to store said parameters is smaller than the memory space required to store said command code sets;  a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a communication protocol in response to said user selections; and			
coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
2. The communication, command, control and sensing system of claim 1 further comprising:			
a radio frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said devices, radio frequency signals at variable frequencies within a predetermined frequency range and in accordance with said communication protocols; and			
a selector controlled by said microprocessor for enabling said radio frequency transceiver and said infra-red frequency transceiver to transmit a desired command code set generated by said microprocessor via either radio frequency signals and infra-red signals as desired, and to receive a signal from any one of said external devices via either radio frequency signals and infra-red signals.			
34. A communications, command, control and sensing system for communicating with a plurality of external devices comprising:			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
a microprocessor for generating a plurality of control signals used to operate said system, said microprocessor creating a plurality of reprogrammable communication protocols for transmission to said external devices wherein each communication protocol includes a command code set that defines the signals that are employed to communicate with each one of said external devices;			
a memory device coupled to said microprocessor configured to store a plurality of parameter sets retrieved by said microprocessor so as to recreate based on said parameter sets a desired set of pulse signals corresponding to logical "1's" and "0's" as specified by a command code set;			
a user interface coupled to said microprocessor for sending a plurality of signals corresponding to user selections to said microprocessor and displaying a plurality of menu selections available for the user's choice, said microprocessor generating a			

Claims	Plaintiff's Proposed Construction	Defendants' and Intervenors' Proposed Construction	Court's Construction
communication protocol in response to said user selections; and			
an infra-red frequency transceiver coupled to said microprocessor for transmitting to said external devices and receiving from said external devices, infra-red frequency signals in accordance with said communications protocols.			